Becoming A Project Scientist:Knowledge, Skills, & Abilities

Developing A GSFC Curriculum

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For the past several months, using the formal DACUM process to construct a curriculum to prepare project project scientists, we have identified priority relevant knowledge, skills, and abilities (KSAs). When completed, we intend this material to guide individuals (and their supervisors) who wish to pursue this professional track at GSFC.

Examples of these KSAs and their recommended mode of learning include

Prerequisites

Advanced scientific/technical education
Technical writing skills
Interpersonal skills

Formal Courses (Not Currently Offered)

Media Training and Presentation Skills
Budgeting and the Budget Process
Mission Design and Operations
Grants and Contracts

Formal Courses (Currently Offered by NASA)

Foundations and History of NASA
Advanced Project Management and Systems Engineering
Project Planning Analysis and Control
Development and Management of Requirements
Road to Mission Success
Leadership Styles

Mentoring/On-the-Job Learning

Guest Investigator Programs
NASA HQ Program Scientists
GSFC Project Managers
Technology Maturation Process
Interaction with Contractors
Public Outreach Planning